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**THE HUGGER'S
HOOSIER USERS GROUP**
People Helping People

SEPTEMBER, 1985

THE HUGGER'S NEWSLETTER

VOLUME 3, NUMBER 6

THE OFFICER'S CORNER

As you can see, we're going to have a raffle. The raffle is for a Myarc 128K Memory Expansion Card. Rules are as follows:

1. You must be an active member of H.U.G. whose dues are current to participate.

2. Tickets are \$1 each or 6 for \$5. There is no limit on the amount of tickets purchased.

The drawing will be held at the December, 1985 Monthly Meeting if sufficient tickets are sold. \$250 in tickets must be collected before drawing will be held. If the goal of \$250 is not met, the drawing date will be extended or money refunded, depending on how many tickets are sold by November 30. The ticket order form is to the right. You may copy it if you don't want to cut up your Newsletter. There will also blank order forms at the meetings. (The Officers of H.U.G. and their families are not eligible to purchase tickets.)

You've already noticed that our Newsletter has a new back page. Carl Walters, one of our Terre Haute members, (who works for a company which does typesetting) donated his typesetting services to the group. A special thanks to Carl Walters, and his employer, American Visuals, Inc. of Terre Haute for their generosity in offering their typesetting services to H.U.G.

See you at the September 8th meeting! J. Steven Sims

THE NEXT MONTHLY MEETING WILL BE
SEPTEMBER 8, 1985
STARTING AT 2:00 PM AT CREATIVE LOGIC.
SEE YOU THERE!

WORKSHOPS: DATA BASE MANAGEMENT
CHARACTER SETS GRAPHICS DESIGN

Regional Meetings

South
August 29th at 7:00 pm.

Terre Haute
See Page 2 for details.

TI WRITER SERIES
by Pam Sims

Several months back I published a request for questions and topics to cover in an upcoming TI Writer series. Since that time I have not had any response from the members on what subjects they would like to see in the articles. Due to the lack of response, I have decided not begin the series of articles which were scheduled to start next month. I will continue reprint articles pertinent to TI Writer from other Users Groups Newsletters.

BIG SALE AT MICROCOMPUTERS!

MicroComputers, Inc. will be disposing of most of stock of TI software by October 15, and therefore offering the discount price of \$5.00 on most titles to members of Users Groups. MicroComputers will continue to support the TI Home Computer user and will make special orders of merchandise for their customers.

OCTOBER NEWSLETTER DEADLINE
SEPTEMBER 22, 1985

\$1 EACH RAFFLE TICKET ORDER FORM 6 FOR \$5

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

TICKETS ORDERED _____ AMOUNT ENCLOSED \$ _____

HAPPY BIRTHDAY!

A Happy HUGger Birthday to these members who joined the Hoosier Users Group in September, 1984! Tony Memmer, Jim Acord, Howard Miller, Steve Hodnett, Greg Larson, Tom Allington, Earl Brandhoefer, Helen Chastain, Steve Wilkins, George Lett, Sr., Phyllis Bush, Douglas Eble, and J. R. Ellis. Its time to renew!

WELCOME!

The Hoosier Users Group welcomes Larry Vaughn, David Collom, and Rex Kemple, who joined in the past month.

WELCOME BACK!

We would also like to welcome back these renewing HUGgers: Don Donlan, David Johnson, and Sheila Smith.

REGIONAL NEWS

SOUTH REGIONAL MEETING

The South Regional meeting will be on Thursday, Sept. 19, 1985. The location is 4582 Moccasin Pl. (call 881-5918 for directions). The meeting will begin at 7:00 P.M. The club library will be available for members.

TERRE HAUTE NEWS

Interest in a Terre Haute meeting has been less than anticipated. Several of who live in the area will still get together occasionally, but there will be no regularly scheduled Terre Haute meeting unless interest picks up.



NORTH • 7120 Zionsville Rd. (Park 100) • 297-5817
DOWNTOWN • 34 N. Delaware St. • 637-8282
SOUTH • County Line Mall • 682-2000

TE3 VERSION 3, A REVIEW

by Andy Armstrong

An updated version of TE3 has been added to our library. This one is version 3.3 (TE3V3). For those of you unfamiliar with TE3 it was a half finished TERMINAL EMULATOR PROGRAM from TI that Joe Freeman and Dick Dunbar added to to make it more usable. For those that have used TE3, this version has several improvements. It now automatically loads the default configuration file. It also contains a buffer full warning. When the buffer is almost full the screen will turn red and the host system stops sending data. You can then press FCTN 6 and the program will prompt you for a device name, usually a disk drive, then the data will be dumped to the selected device. After the dump you then can use FNCT 5 to clear the buffer. You have the option of toggling the buffer on and off with FCTN 2. You can choose either 40 or 80 column mode with FCTN 3 and a message telling you wich mode was selected will be briefly displayed on the screen. With this version you can select the screen color you want to use. Pressing CTRL 3 will step thru 8 combinations of screen and text colors. If you use the BBS often, the upload section will be useful. You can compose your message off line using TI-WRITER or EDITOR ASSEMBLER. When using the MESSAGE ENTRY section, enter everything from the keyboard until you get to the "1:" prompt, for line 1 entry, then press FCTN 8 (REDO). You will be prompted for the filename that you saved your composed message to. The next prompt asks if you need <CR's> added, this will depend on how you composed your message. Next will be the "Upline Flow Control" choice. Select 3. Prompt, and ":" for the prompt character. Upon pressing enter, the file should transfer a line after every line number prompt, 1:, 2: 3:, ect. You don't have to remember all the commands, by pressing FCTN 7 "AID" the program will display a list of the important cammands without loss of data. I have used this program on both our BBS and Compuserve with no problems and I found it to be an excellent program. Included with the source code is a history of the development of this program.

LIBRARY BITS

by Dennis Sherfy

One of the valuable benefits of membership in the Hoosier Users Group is the library of programs. Since I have been a member of the group, I've seen the library grow from about 15 disks to 54 disks today. There has been a corresponding growth in quality also. Initially, all of the programs were BASIC or EXTENDED BASIC. Now, there are disks of programs for Terminal Emulators, Mini Memory, Pascal, Forth, Personal Record Keeping, Speech Synthesizer, Logo, and Editor-Assembler. There are six disks from Texas Instruments of programs they have released to user's groups for the benefit of members. In addition, there are seven disks of FREEWARE which are for sale on a "Pay if you like it." basis. Thoughtful people have recognized that most TI-994A owners do not have the Editor/Assembler Cartridge, and they have designed programs in Forth and Assembly language which will run in Extended Basic or with the TI-WRITER cartridge. (Ever wonder what the Utility option was for?)

HUG members have access to the group's library at the monthly meetings and at the Southside Regional meetings. Members may copy any programs from the library to their own disks or cassettes.

In the immediate mode, your computer is capable of out-performing even the costliest hand-held calculators. It can handle thousands of memory values and perform complex mathematical and scientific operations. If, however, you have a fond attachment to the basic four-function calculator, Extended-10 contains a program called MAC/CALC. This program displays an image of a calculator on your monitor and allows you to move a pointer with your joystick and "press" keys with the fire button. There are no instructions with this program. You must position the pointer over the ON/OFF switch on the side of the calculator and press the fire button to "turn on" the unit. The display is a bit slow to respond, so the fire button must only be pressed momentarily for your entry to register. Now you have an alternative if the batteries have died in your hand-held calculator.

How many of you use TI-WRITER for correspondence only? Every office with computer or word processing equipment contains a creative person who is using the equipment to make pictures or create enlarged alphabets and numerals. The TI-WRITER-1 disk contains two "word processing" pictures. One is called ENTERPRISE1, a picture of the star ship Enterprise, and the other is ODIE, a picture of Garfield's hapless friend. Perhaps one of these pictures will start your creative juices flowing, and you will create pictures of your own.

Finally, BASIC-3 contains HANG/SPELL. This is a well written program which features the game of Hang Man and a spelling drill. For Hang Man, words are randomly selected from a series of DATA statements to challenge your ability to guess the word. Once you have become familiar with all of the words, you or a friend can change them by substituting new words in the DATA statements. The second option is not as usefull as it sounds. The program very briefly prints a word from the DATA statements then asks you to type the word. It is perhaps a better drill for speed reading than spelling.

WORDSEARCH ANSWERS

.....CALLHCHAR.....	CALLCHAR
.C.....N.....	CALLCHARPAT
C.A...TAPRAHCLLAC...E.....	CALLCHARSET
A..I.....E.....	CALLCLEAR
L.K.L.....R.....C	CALLCOINC
LONIUCLLAC.C.Y..C.....AA	CALLCOLOR
V.I...O.....A.A.SA.....L.L	CALLERR
C.L....L.....LSL.L....L..L	CALLGCHAR
H.L.....O.....L..L....C...C	CALLHCHAR
A.L...C..R...ALJ.K...H...H	CALLINIT
R.A...A.....C.A.OE..A....A	CALLJOYST
..CCALLGCHAR..C..Y.R.....R	CALLKEY
...T..L.....S.....R	CALLLINK
...E..L.....E.T....AR	CALLLOAD
E..G..O..CALLINIT.....E.E	CALLLOCATE
T..P..A.....K.....L..L	CALLPEEK
A..S..D...NOISREVLLAC.C...L	CALLSAY
C..L.....E.....L....A	CALLSCREEN
O..A.....P.....L....C	CALLSOUND
L..C.....L.....A.....	CALLSPGET
L.....L.....C.....	CALLSPRITE
L.....A.DNUOSLLAC.....	CALLVCHAR
A.....C.....	CALLVERSION
C.....ETIRPSLLACC	

A HANDY DANDY TI-WRITER USERS REFERENCE GUIDE

SUBMITTED BY BOB STEPHENS

The following handy TI-WRITER commands are reprinted for the June issue of the 99'er News published by the TI Users Group of Will County, Romeoville, IL. This puts the most used commands on one page for handy access at your computer.

=====			=====			=====			=====		
EDITOR COMMAND			FCTN:CTRL			EDITOR COMMAND			FCTN:CTRL		
Back tab			T	Ins. Blank line	8	O	Quit	=			
Beginning/line			V	Insert character	2	G	Reformat			2orR	
Command/escape			9	C	Last paragraph	6orH	Right arrow	D	D		
Delete character			1	F	Left arrow	S	S	Roll down	4	A	
Del. end of line				K	Left margin rel.		Y	Roll up	6	B	
Delete line			3	N	New page		9orF	Screen color		3	
Line #'s(on/off)			0		New paragraph		8orM	Tab	7	I	
Down arrow			X	A	Next paragraph		4orJ	Up arrow	E	E	
Duplicate line				S	Next window	5		Word tab		7orW	
Home cursor				L	Oops!		1orZ	Word wrap/fixed		0	
=====											
Load files: LF (enter) DSK1.FILENAME (load entire file)											
LF (enter) 3 DSK1.FILENAME (merges filename with data in memory after line 3)											
LF (enter) 3 1 10 DSK1.FILENAME (lines 1 thru 10 of filename are merged after line 3 in memory)											
LF (enter) 1 10 DSK1.FILENAME (loads lines 1 thru 10 of filename)											
=====											
Save files: SF (enter) DSK1.FILENAME (save entire file)											
SF (enter) 1 10 DSK1.FILENAME (save lines 1 thru 10)											
=====											
Print Files: PF (enter) PIO (prints control characters and line numbers)											
PF (enter) C PIO (prints with no control characters)											
PF (enter) L PIO (prints 74 characters with line numbers)											
PF (enter) F PIO (prints fixed 80 format)											
PF (enter) 1 10 PIO (prints lines 1 thru 10)											
NOTE: The above assumes PIO. DSK1.FILENAME, and RS232 are also valid!											
To cancel the print command press FCTN 4.											
=====											
Delete file: DF (enter) DSK1.FILENAME											
=====											
Setting Margins and Tabs: (16 tabs maximum)											
L - Left margin R - Right margin I - Indent T - Tab											
Use ENTER to execute or COMMAND/ESCAPE to terminate command.											
=====											
Recover Edit: RE (enter) Y or N											
=====											
Line move: M (enter) 2 6 10 (moves lines 2 thru 6 after line 10)											
M (enter) 2 2 10 (moves line 2 after line 10)											
=====											
Copy: same as move except use C instead of M.											
=====											
Find String: FS (enter) /string/ (will look for string in entire file)											
FS (enter) 1 15 /string/ (will look for string in lines 2 thru 15)											
=====											
Delete: D (enter) 10 15 (deletes lines 10 thru 15 in memory)											
=====											

E. Z. WRITER

HELLO- I'M ROBERT (BOB) SUMMERS AND WAS PLEASED TO SEE YOU FOLKS AT THE INDY HAMFEST. LARRY CONNOR (HAVING DEFLATED MY WALLET) THEN LED ME OVER TO PAM SIMS BOOTH WHEREBY SHE STRUCK THE KILLING BLOW AND SIGNED ME UP.

HAVING BEEN INTO 'HAM' RADIO FOR NEARLY 30 YEARS A COMPUTER WAS THE NEXT LOGICAL PROGRESSION. IT HAS BEEN A REAL LEARNING EXPERIENCE. OVER THIS PERIOD OF TIME I'VE ATTEMPTED TO INTEREST MY XYL (EX-YOUNG LADY-(WIFE)) IN THE RADIO AND LATELY IN THE COMPUTER BUT WITH LITTLE OR NO SUCCESS. BUT WITH THE ACQUISITION OF AN RS232 AND PRINTER AND THE MINIWRITER SOFTWARE SHE EVINCE A BIT OF INTEREST AS SHE IS A LETTER WRITER. BUT WOE!! WITH NO BACKGROUND SHE FOUND THE CONTROL FUNCTIONS TOO CONFUSING. WITH A SPARK OF INTEREST VISIBLE I WROTE THE FOLLOWING SHORT (AND POSSIBLY TOO SIMPLE TO BE OF INTEREST) PROGRAM FOR HER. USING THE SHIFT-5 WILL ALLOW HER TO CALL UP THE DOUBLE WIDTH/ELONGATED CHARACTERS FOR DATES/HEADINGS/ETC. WHILE SHIFT-6 RETURNS THE PRINTER TO THE STANDARD PRINT. IT WAS EASY TO EXPLAIN THE QUOTES TO INDENT-USE OF THE "DATA" LINES AND COMMAS TO SET UP NEW LINES OR SPACE BETWEEN LINES. NOW I'M GOING BROKE BUYING PAPER!! SHE STARTS WITH NUM AND USES 3 SCREEN LINES PER PAGE LINE AND MY 'COMPUTIN TIME HAS BEEN DRASTICALLY REDUCED.

THX FER FB QSO GUD LUK ES 73 DE K9CXS
(THANK YOU FOR LISTENING AND GOOD LUCK-BEST REGARDS-BOB)

```
10 CALL CLEAR
20 PRINT "E.Z.WRITER": : "PRINTING...": : : : : : : : : :
4999 DATA 99,99
5000 OPEN #1:"PIO.HS"
5010 FOR I=1 TO 1000
5020 READ A$
5030 IF A$="99" THEN 5090
5031 IF A$="%" THEN PRINT #1:CHR$(27);"W";CHR$(1);: GOTO 5050
5032 IF A$="^" THEN PRINT #1:CHR$(27);"W";CHR$(0);: GOTO 5050
5040 PRINT #1:A$
5050 NEXT I
5090 CLOSE #1
5095 END
```

TIPS FROM THE TIGERCUB

#23

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156 Collingwood Ave.
Columbus, OH 43213

Distributed by Tigercub Software to TI-99/4A Users Groups for promotional purposes and in exchange for their newsletters. May be reprinted by non-profit users groups, with credit to Tigercub Software.

The entire contents of Tips from the Tigercub Nos. 1 through 14, with more added, are now available as a full disk of 50 programs, routines and files for just \$15.00 postpaid!

Nuts & Bolts is a diskfull of 100 (that's right, 100!) XBasic utility subprograms in MERGE format, ready for you to merge into your own programs. Contents include 13 type fonts, 14 text display routines, 12 sorts and shuffles, 9 data saving and reading routines, 9 wipes, 8 pauses, 6 music, 2 protection, etc., and now also a tutorial on using subprograms, all for just \$19.95 postpaid!

And I have about 140 other absolutely original programs in Basic and XBasic at only \$3.00 each! (plus \$1.50 per order for cassette, packing and postage, or \$3.00 for diskette, PPM) I will send you my descriptive catalog for a dollar, which you can then deduct from your first order.

Several different routines have been published which will extract and save a specified series of lines out of a program, but this one by George Steffen of the L.A. 99ers is certainly the

best.

```
1 !SUBROUTINE EXTRACTOR by G
eorge F. Steffen. SAVE in ME
RGE format. MERGE into any p
rogram (with line 0 starting
above 0). RUN to extract
2 !selected lines. Deletes i
tself. Then BE SURE to SAVE
the selected lines in MERGE
format because the remaining
lines are still in memory!
3 CALL CLEAR :: CALL INIT ::
INPUT "Line numbers of rout
ine to be saved: First,Last?
":L,M :: G=256 :: CAL
L PEEK(-31952,H,I,J,K)
4 C=INT(N/6):: B=M-C*6 :: F=
(J-6)*6+K :: FOR E=(H-6)*6+1
TO F STEP 4 :: CALL PEEK(E,
A,B):: IF A=C AND B=D THEN 6
5 NEXT E :: PRINT "LINE";M;
"NOT FOUND!" :: STOP !0P-
6 H=INT(E/6):: I=E-(6*M):: H
=M+6 :: C=INT(L/6):: D=L-C*6
:: FOR E=E+4 TO F STEP 4 ::
CALL PEEK(E,A,B):: IF A=C A
ND B=D THEN 0 !0P-
7 NEXT E :: PRINT "LINE";L;
"not found!" :: STOP !0P-
8 E=E+3 :: J=INT(E/6):: K=E-
(6*J):: J=J+6 :: CALL LOAD(-
31952,H,I,J,K):: STOP !0P-
```

The enhancements to my Menu Loader, published in Tips #22, contained an error. Please change line 413 to read -

```
413 LINPUT #2:M$ :: PRINT M$
:: IF EOF(2) THEN 416
```

Some folks were interested in the idea of a program that writes a program, so let's write a program that will write a program to list the token codes that you need to use to write a program -

```
100 OPEN #1:"DSK1.TOKENLIST"
,OUTPUT,DISPLAY,VARIABLE 16
3 :: FOR N=129 TO 254 :: L1=
INT(N/256):: L2=N-256*L1
110 PRINT #1:CHR$(L1)&CHR$(L
2)&CHR$(131)&CHR$(N)&CHR$(0)
:: NEXT N
120 PRINT #1:CHR$(255)&CHR$(
```

255):: CLOSE #1 :: END

Key that in and SAVE it just in case, then RUN it. When READY, type NEM, then MERGE DSK1.TOKENLIST. Now LIST it and you will see a list of ASCII codes 129 through 254 and their token meanings. Delete lines 171 through 175, 185, 198, 226 through 231, and 242. Change the definition of 199 to QUOTED STRING, of 200 to UNQUOTED STRING, and add line 255 END OF FILE.

You don't need all those exclamation points, so change the program to a DIS/VAR 00 file by LIST "DSK1.TOKENLIST". Then key in this little routine.

```
100 OPEN #1:"DSK1.TOKENLIST"
:: OPEN #2:"PIO"
110 LINPUT #1:A$ :: PRINT #2
:SEG$(A$,1,4)&SEG$(A$,6,LEN(
A$)):: IF EOF(1)<>1 THEN 110
120 CLOSE #1 :: CLOSE #2 ::
END
```

RUN it, and print out a list of all the token codes. More on this next month - if someone buys a few programs so that I can afford another month.

Now that we've done about all that we can with the Menu Loader, here is another version to use on your finalized library disks of programs. It lacks the features that you will no longer need, but will list your programs by their full names, up to 24 characters long.

```
100 !NAMELOADER by A. Kludge
/M. Gordon/T. Boisseau/J. Pe
terson/etc.
110 CALL CLEAR :: CALL SCREE
N(5):: FOR S=1 TO 14 :: CALL
COLOR(S,7,16):: NEXT S :: C
ALL VCHAR(1,31,1,96):: CALL
COLOR(0,2,16)
120 OPTION BASE 1 :: DIM P$(
99),M$(99)
```

130 ! List the full names of the programs on the disk in the DATA statements, in the sequence in which they are listed by an ordinary disk cataloger program

```
140 !Then SAVE this program
under the filename LOAD
150 DATA
160 DATA
170 DATA
180 DATA
190 DATA END
200 FOR J=1 TO 99 :: READ M$(
J):: M$(J)=SEG$(M$(J),1,24)
210 IF M$(J)="END" THEN M$(J
)=" " :: GOTO 230
220 NEXT J
230 IMAGE 00
240 DISPLAY AT(1,4):"TIGERCUB
NAMELOADER"
250 D$="DSK1." :: OPEN #1:D$
,INPUT,RELATIVE,INTERNAL ::
INPUT #1:P$
260 FOR I=1 TO 99 :: IF I/20
<>INT(I/20) THEN 290
270 DISPLAY AT(24,1):"Type #
of choice or Enter 0" :: AC
CEPT AT(24,27)VALIDATE(DIGIT
)SIZE(-3):K :: IF K=0 THEN 2
80 :: IF K>0 AND K<NN+1 THEN
390 ELSE 270
280 I=1
290 I=I+1 :: IF I>127 THEN K
=I :: GOTO 370
300 INPUT #1:P$ :: NN=NN+1
310 IF LEN(P$)=0 THEN 350
320 DISPLAY AT(X+3,2):USING
230:NN :: DISPLAY AT(X+3,3):
M$(NN):: P$(NN)=P$
330 CALL KEY(0,KK,ST):: IF S
T=0 THEN 340 :: FLAG=1 :: GO
TO 350
340 NEXT X
350 DISPLAY AT(X+4,1):" " ::
DISPLAY AT(X+5,2):USING 230
:NN+1 :: DISPLAY AT(X+5,6):"
Terminate"
360 DISPLAY AT(X+6,1):" C
hoice?" :: ACCEPT AT(X+6,16)
SIZE(2)VALIDATE(DIGIT):K ::
IF K<NN AND K<NN+1 THEN 38
0
370 IF K=NN+1 THEN CALL CLEA
R :: CLOSE #1 :: END
380 !IF K(1 OR K)99 OR LEN(P
$(K))=0 THEN 350
390 CLOSE #1
400 CALL INIT :: CALL PEEK(-
31952,A,B):: CALL PEEK(A*256
```

```

+B-65534,A,B):: C=A*256+B-65
534 :: A=B%P65(K):: CALL L
UAD(C,LEN(A*))
410 FOR I=1 TO LEN(A*): CAL
L LOAD(C+I,ASC(SEG$(A*,I,1))
):: NEXT I :: CALL LOAD(C+I,
0)
420 CALL VCHAR(1,3,32,672)::
CALL SCREEN(0):: FOR S=0 TO
14 :: CALL COLOR(S,2,1):: N
EXT S :: DISPLAY AT(12,2):"L
OADING ":N$(K)
430 RUN "DSK1.1234567890"

      Last month I forgot
to have anything for the
kids, or anything in Basic,
so -

100 CALL CLEAR
110 REM by Jim Peterson of
Tigercub Software
120 PRINT TAB(1):"****AUTOMA
TIC MOUSE MAZE****": : : "
      Choose your mouse and"wa
tch it try to find its way"
130 PRINT "through the maze.
": : " When one of the mice
has": "taken 50 extra steps,
the": "cat gets it!"
140 PRINT : : "Touch any key"
150 CALL KEY(0,K,ST)
160 IF ST<1 THEN 150
170 CALL CLEAR
180 CALL CHAR(120,"0070FEFF
E78")
190 CALL CHAR(121,"1038387C7
C7C7C38")
200 CALL CHAR(122,"387C7C7C7
C383810")
210 CALL CHAR(123,"001E7FFF7
F1E")
220 CALL CHAR(128,"001E61816
11E")
230 CALL CHAR(129,"384444444
4242410")
240 CALL CHAR(130,"102820444
4444430")
250 CALL CHAR(131,"007886818
678")
260 CALL SCREEN(5)
270 T1=610
280 T2=610
290 CALL CHAR(136,"FFFFFFF
FFFFFFF")
300 CALL COLOR(14,16,16)
310 CALL COLOR(13,2,16)
320 CALL COLOR(12,2,16)
330 R=10
340 GOSUB 1460
350 R1=10
360 C=2
370 C1=2
380 CALL HCHAR(R,C,136,2)
390 C=C+1
400 M=120
410 M2=120
420 RANDOMIZE
430 A=(INT(2*RND)+1)*2
440 B=INT(10*RND)+1
450 ON B GOSUB 470,470,470,4
70,510,510,550,550,590,590
460 GOTO 420
470 IF C+A>30 THEN 630
480 CALL HCHAR(R,C,136,A)
490 C=C+A
500 RETURN
510 IF R+A>20 THEN 540
520 CALL VCHAR(R,C,136,A)
530 R=R+A
540 RETURN
550 IF R-A<2 THEN 500
560 CALL VCHAR(R-A+1,C,136,A
)
570 R=R-A
580 RETURN
590 IF C-A<3 THEN 620
600 CALL HCHAR(R,C-A+1,136,A
)
610 C=C-A
620 RETURN
630 CALL HCHAR(R,C,136)
640 C=C+1
650 IF C<31 THEN 630
660 R2=R
670 C2=C
680 CALL HCHAR(R1,C1,M)
690 CALL HCHAR(R2,C2,M2)
700 Y=Y+1+(Y=2)*2
710 IF Y=2 THEN 1020
720 CALL HCHAR(R1,C1,136)
730 ON M-119 GOTO 800,900,74
0,850
740 IF C1=31 THEN 950
750 CALL GCHAR(R1,C1+1,6)
760 IF 6=32 THEN 850
770 C1=C1+1
780 M=120
790 GOTO 950
800 CALL GCHAR(R1-1,C1,6)
810 IF 6=32 THEN 740
820 R1=R1-1
830 M=121
840 GOTO 950
850 CALL GCHAR(R1+1,C1,6)
860 IF 6=32 THEN 900
870 R1=R1+1
880 M=122
890 GOTO 950
900 CALL GCHAR(R1,C1-1,6)

```

```

910 IF 6=32 THEN 800
920 C1=C1-1
930 M=123
940 GOTO 950
950 CALL HCHAR(R1,C1,M)
960 IF (C1=31)*(C2=2) THEN 13
20
970 IF C1<31 THEN 700
980 T2=T2-10
990 CALL SOUND(50,T2,5)
1000 IF T2=110 THEN 1340
1010 GOTO 700
1020 CALL HCHAR(R2,C2,136)
1030 ON M2-127 GOTO 1040,120
0,1090,1150
1040 CALL GCHAR(R2+1,C2,6)
1050 IF 6=32 THEN 1090
1060 R2=R2+1
1070 M2=129
1080 GOTO 1250
1090 IF C2=2 THEN 1250
1100 CALL GCHAR(R2,C2-1,6)
1110 IF 6=32 THEN 1150
1120 C2=C2-1
1130 M2=128
1140 GOTO 1250
1150 CALL GCHAR(R2-1,C2,6)
1160 IF 6=32 THEN 1200
1170 R2=R2-1
1180 M2=130
1190 GOTO 1250
1200 CALL GCHAR(R2,C2+1,6)
1210 IF 6=32 THEN 1040
1220 C2=C2+1
1230 M2=131
1240 GOTO 1250
1250 CALL HCHAR(R2,C2,M2)
1260 IF (C2=2)*(C1=31) THEN 1
320
1270 IF C2>2 THEN 700
1280 T1=T1-10
1290 CALL SOUND(50,T1,5)
1300 IF T1=110 THEN 1370
1310 GOTO 700
1320 CALL HCHAR(1,1,32,768)
1330 GOTO 330
1340 GOSUB 1460
1350 PRINT "THE CAT GOT THE
WHITE MOUSE": :
1360 GOTO 1390
1370 GOSUB 1460
1380 PRINT "THE CAT GOT THE
BLACK MOUSE": :
1390 PRINT "TO PLAY AGAIN. T
OUCH ANY KEY"
1400 CALL KEY(0,K,ST)
1410 IF ST<1 THEN 1400
1420 T1=610
1430 T2=610
1440 CALL HCHAR(1,1,32,768)

```

```

1450 GOTO 330
1460 CALL HCHAR(23,1,32,32)
1470 PRINT CHR$(120);(610-1
)/10;TAB(20);CHR$(128);(61
T2)/10
1480 RETURN

```

Did you know that
ACCEPT AT(1,0) will accept a
full line of 28 characters?
Did you know that ACCEPT AT
(R,0)SIZE(-28) and Enter
will accept everything on
row R? And did you know that
ACCEPT N\$ will accept a
string of 255 characters?

Need a filler, so -

```

100 !MUSICAL BARGRAPH by Jim
Peterson
110 CALL CLEAR :: CALL SCREE
N(5):: FOR J=2 TO 14 :: X=J-
(J/4):: CALL COLOR(J,X,X)::
NEXT J
120 DIM N$(13),N(13):: M$="
000HPX'hpX"&CHR$(128)&CHR$(1
36):: FOR J=1 TO 13 :: N$(J)
=SEG$(M$,J,1):: DISPLAY AT
+6,1)SIZE(1):N$(J):: NEXT J
130 X=110 :: FOR J=1 TO 13 :
: N(J)=INT(1059463094^(J-1))::
NEXT J
140 A=INT(13*RND+1):: B=INT(
25*RND+1):: DISPLAY AT(A+6,2
)SIZE(28):RPT$(N$(A),B):: CA
LL SOUND(B*40,N(A),0,N(A)*2+
4,B,N(A)*4+6,0)
150 DISPLAY AT(A+6,2):" ::
GOTO 140

```

MEMORY FULL

Jim Peterson

HOOSIER USERS GROUP DIRECTORY
HOOSIER USERS GROUP OFFICERS

President.....Steve Sims 631-7255
Vice-President.....Bill Cagle
Secretary.....Barb Uhrig 357-8268
Treasurer.....Bill Jones

COMMITTEE CHAIRPERSONS

Regional Centers:

South.....Dennis Sherfy 881-5918
West Indiana..Vic Kelson 812-234-5533

Documents.....Don Donlan 882-4544
Membership.....Pam Sims 631-7255
Newsletter.....Pam Sims 631-7255

MONTHLY MEETING LOCATION

Creative Logic
8240 Indy Lane
Indianapolis, IN 46224

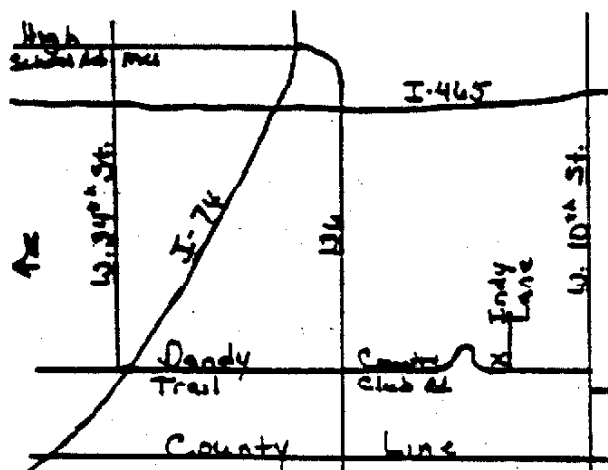
(About 1800 North Country Club Road)

NEWSLETTER EXCHANGE

The Hoosier Users is participating in a Newsletter Exchange program with other TI Users Groups. This offer is made with the understanding that, with proper credit, your Users Group can reprint articles from the Hoosier Users Group Newsletter, and with proper credit, we can reprint articles from other TI Users Groups Newsletters.

PRINTOUTS

Library listings can be ordered for \$.25 & a 4x9 self addressed envelope with \$.66 postage. The HUGbbs Reference Guide can be ordered for \$.50 and a 4x9 self addressed envelope with \$.22 postage. Please send orders to our P.O. Box. SORRY, PRINTOUTS WILL BE SENT TO ACTIVE MEMBERS ONLY!



HUGbbs INFORMATION

317-631-994A

The HUGbbs operates on a 24 hour basis.

SPONSOR THE HUGbbs: Any member or retail business can sponsor the HUGbbs. For a \$5.00 donation, you get 5 (40 column) lines on the Log-On Title Screen for a week (or for a \$10.00 donation, you get 10 (40 column) lines) plus a 24 line by 40 character ad in the Sales option of the File Module. To sponsor the HUGbbs, send a check or money order to our P.O. Box (or turn in at our Monthly Meeting) specifying how many weeks (and how many lines) you want to sponsor, your name (or company name), address, phone, what you want to say, and the week (and an alternate week) you want the ad to appear.*

BACK ISSUES

Back Issues purchased at the monthly meeting is \$1.00 each. Mail order price is \$1.50 per Newsletter (postage included). Orders will be filled within 3 weeks of receipt by the Documents Committee.

ADVERTISING POLICIES

There will be no charge for advertisements submitted to the HUGger Newsletter by members (for private sale only). Format for the advertisements is 45 characters wide by 10 lines long. The Ad should be typed or hand printed exactly how it is to appear in the Newsletter. Deadline for an ad to appear in next month's Newsletter is the 2nd Saturday of the month.*

For companies who wish to advertise in the HUGger Newsletter, our rates are as follows:

Pre-Printed Inserts (one page) \$20.00
One Full Page (one sided) Ad: \$25.00
One Half Page Ad: \$13.00
One Quarter Page Ad: \$7.00

All ads must be in a ready to print condition. Advertisements must be in our P.O. Box before the 2nd Saturday of the month to appear in the following month's Newsletter.*

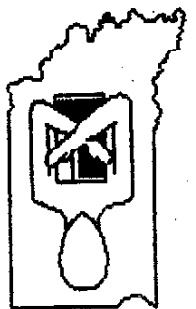
*NOTE: The Officers of the Hoosier Users Group reserve final approval on all advertisements submitted for the HUGger Newsletter and the HUGbbs. The Officers and the Newsletter committee are not responsible for typographical errors due to illegible advertisements. All proceeds are accepted as donations to the Hoosier Users Group.

SEP. 4 1985

TIME DATED
SEP. 4 1985
MATERIAL

Forwarding and Address
Correction Requested

HOOSIER USERS GROUP
P.O. Box 2222
Indianapolis, IN 46206-2222



Bulk Rate
U.S. Postage
PAID
Indianapolis, IN
Permit No. 6440

APPLICATION FOR MEMBERSHIP

Below you will find an application for membership to the Hoosier Users Group. Active membership entitles you to the Newsletter, up and download on the HUGbbs, attendance and voting rights at regular club meetings, access to the HUGger Library of Programs, special club activities and special guest speakers for one year. Subscribing members will receive the **NEWSLETTER** only.

Make check or money order payable to **Hoosier Users Group**. Send completed application to:

HOOSIER USERS GROUP
P.O. Box 2222
Indianapolis, IN 46206-2222

(Cut on dotted line)

Check One:

Active Member

New: \$20 _____
Renewal: 15 _____

Subscribing Member

New: \$10 _____
Renewal: 7.50 _____

Amount Enclosed: \$ _____

Name: _____ Today's Date: _____

Address: _____ Apt. # _____

City: _____ State: _____ Zip: _____

Phone: (____) _____ - _____

Interests/Comments: _____

_____ D _____
S _____ O _____